

Application No.: 10/727,023

Case No.: 58390US004

Amendments to the Specification:

Please amend the specification as follows:

Please replace the paragraph on page 12, lines 14-27 with the following amended paragraph:

Still another approach of improving the efficiency of PLEDs is to configure the LED, phosphor layer, and LP reflector such that at least some of the UV light from the LED is reflected by the LP reflector directly onto the top (viewing) surface of the phosphor layer, rather than directing all of the UV light onto the bottom surface of the phosphor layer. FIG. 9 shows such a PLED 80. The heat sink 14' has been modified from above embodiments so that the LED 12 and the phosphor layer 82 can be mounted generally coplanar. An SP reflector 84 is shown underneath the phosphor layer, but in many cases will not be required. This is because LP reflector 86, which has been embossed in the form of a concave ellipsoid or similar shape, directs UV excitation light directly from the LED onto the upper surface of phosphor layer 82, which surface faces the front of PLED 80. The LED and phosphor layer are preferably disposed at the foci of the ellipsoid. The visible light emitted by the phosphor layer is transmitted by LP reflector 86 and collected by the rounded front end of the PLED body to form the desired pattern or visible (preferably white) light.

Please replace the paragraph that extends from page 27 line 22 to page 28 line 2 with the following amended paragraph:

FIG. 15 is schematic sectional view of a phosphor based light source 310 two-part component system. A phosphor-reflector component 311 can be formed as a unitary component and a LED component 309 can be supplied as a unitary component. The PLED 310 can be formed by positioning the first optical component (phosphor-reflector component 311) to receive emitted light from the second optical component (LED component 309). In an

Application No.: 10/727,023

Case No.: 58390US004

illustrative embodiment, the LED component 309, which includes an LED 312 mounted on a heat sink 314, can have a mating surface 308 arranged and configured to mate with the phosphor-reflector component 311 mating surface 313. The phosphor-reflector 316 is described above. The phosphor-reflector 316 can be disposed within the optically transparent material [[310]] 318 or on the optically transparent material surface 320.

Please replace the paragraph on page 46, lines 6-10 (i.e., the Abstract) with the following amended paragraph:

A method of manufacturing a light source includes the steps of providing a first flexible sheet comprising that includes a first multilayer interference reflector, providing a carrier film to carry the reflector, dividing the reflector into individual pieces carried by the carrier film, and positioning at least one of the individual pieces proximate an LED capable of emitting light that excites a phosphor material.